



SHIKSHA CLASSES

Sub : Maths
Class : VIII (CBSE)

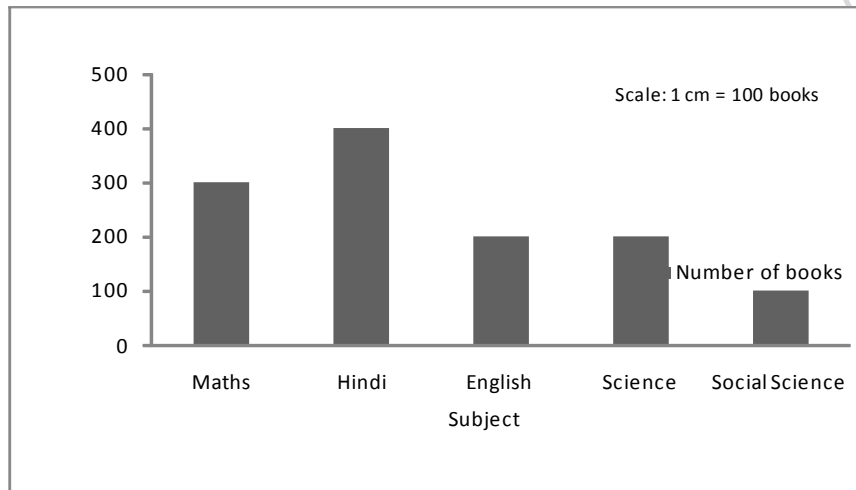
Question Paper
4: Data Handling

Total Marks : 30
Time : 1 Hour

Section A (Each 1 Mark)

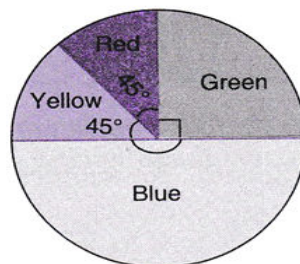
Select the most appropriate answer from the given options (MCQ'S - Q.1 to Q.5)

Observe the following bar graph carefully and answer the following questions :



- Q.1 : Which subject have the maximum book?
a) Hindi b) English c) Maths d) Science
- Q.2 : Which two subjects have the same number of books?
a) Maths and Hindi b) Hindi and English
c) English and Science d) Science and Social Science
- Q.3 : The total number of books is
a) 1200 b) 1400 c) 1600 d) 1800

Observe the pie chart and answer the following questions:



Q.4 : Which two colours have the same central angles?

- a) Red, Yellow b) Red, green c) Yellow, green d) Blue, red

Q.5 : The proportion of sector for red is

- a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{8}$ d) $\frac{1}{3}$

Fill in the blank. (Q.6 to Q.7)

Q.6 : The difference between the highest and the lowest values of the observations in a data is called _____ of the data

Q.7 : A geometric representation showing the relationship between a whole and its parts is called a _____

Write whether the following statements are True or False. (Q.8 to Q.9)

Q.8 : In a pie-chart, whole circle is divided into various sectors.

Q.9 : The probability of a sure event is 0.

Section B (Each 2 Marks)

Q.10 : A child has a block in the shape of a cube with one letter written on each face as shown below.



The cube is thrown once. What is the probability of getting A?

- a) $\frac{1}{3}$ b) $\frac{1}{6}$ c) $\frac{1}{2}$ d) $\frac{1}{4}$

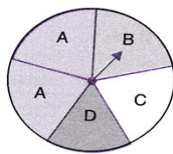
OR

A die is thrown. What is the probability of getting an even prime number?

- a) $\frac{1}{6}$ b) $\frac{1}{4}$ c) $\frac{1}{3}$ d) $\frac{1}{2}$

Q.11 : List the outcomes you can see in these experiments.

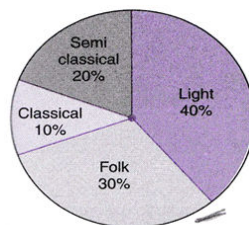
a) Spinning a wheel



b) Tossing two coins together

Section C (Each 3 Marks)




Q.12 : A survey was made to find the type of music that a certain group of young people liked in a city. Adjoining pie chart shows the findings of this survey.



i) If a cassette company were to make 1000 CD's, how many of each type would they make?

OR

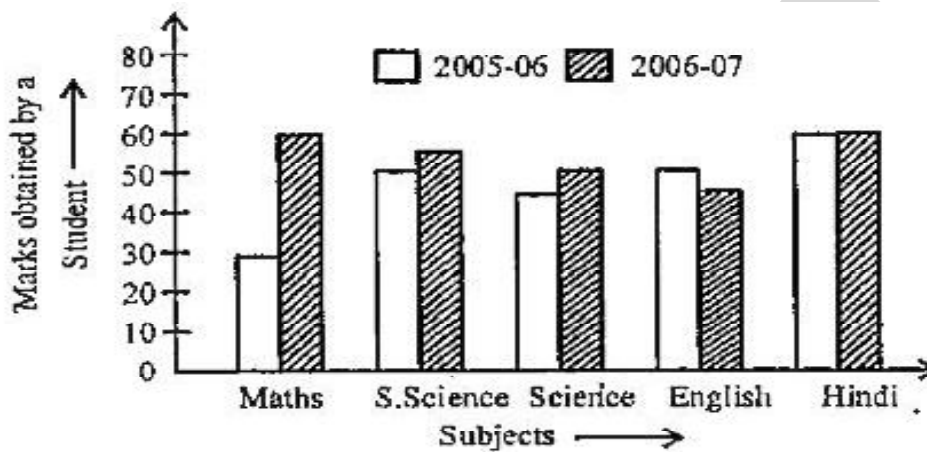
A group of 360 people were asked to vote for their favourite season from the three seasons rainy, winter and summer.

Season	No. of Votes
Summer 	90
Rainy 	120
Winter 	150

i) Find the central angle of each sector.

Q.13 : If you have a spinning wheel with 3 green sectors, 1 blue sector and 1 red sector, what is the probability of getting a green sector? What is the probability of getting a non blue sector?

Q.14 : A bar graph showing two sets of data simultaneously. It is useful for the comparison of the data.



- What is the information given by the double bar graph?
- In which subject has the performance improved the most?
- In which subject is the performance at par?

Section D (Each 4 Marks)

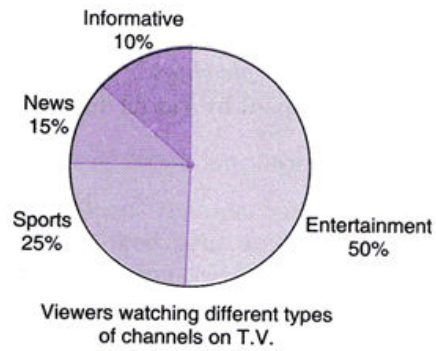
Q.15 : Draw a pie chart of the data given below.

The time spent by a child during a day.

- Sleep - 8 hours
- School - 6 hours
- Home work - 4 hours
- Play - 4 hours
- Others - 2 hours

OR

Answer the following questions based on the pie chart given (Fig.)



- i) Which type of programmes are viewed the most?
- ii) Which two types of programmes have number of viewers equal to those watching sports channels?

Q.16 : Numbers 1 to 10 are written on ten separate slips (one number on one slip), kept in a box and mixed well. One slip is chosen from the box without looking into it. What is the probability of.

- i) getting a number 6?
- ii) getting a number less than 6?
- iii) getting a number greater than 6)
- iv) getting a 1-digit number?

SHIKSHA CLASSES, BHANDRA

BECOME AN ACE IN JEE & NEET



SHIKSHA CLASSES

Believe & Achieve

JEE | NEET | Previsa (8-10)

📞 8625055707 | 8623085707 🌐 shikshaclasses.co.in

M-19, MHADA Colony, Khat Road, Bhandara



Learn with Jaiswal sir